

## (12) United States Patent Zhu

(10) **Patent No.:** 

# US 7,413,113 B1

(45) **Date of Patent:** Aug. 19, 2008

## CONTEXT-BASED CARD SELECTION DEVICE

- (75) Inventor: Kevin Zhu, Overland Park, KS (US)
- Assignee: Sprint Communications Company

L.P., Overland Park, KS (US)

Subject to any disclaimer, the term of this (\*) Notice:

patent is extended or adjusted under 35 U.S.C. 154(b) by 382 days.

- Appl. No.: 10/901,630
- (22) Filed: Jul. 28, 2004
- (51) Int. Cl.

G06F 17/00

(2006.01)

(52) **U.S. Cl.** ...... 235/375; 235/380; 235/379

Field of Classification Search ...... 235/379, 235/380, 375

See application file for complete search history.

#### (56)References Cited

## U.S. PATENT DOCUMENTS

6	5,314,409	B2*	11/2001	Schneck et al.	705/54
(	5,490,601	B1*	12/2002	Markus et al.	715/507

6,886,741 E	31 * 5/200	5 Salveson 235/375
2004/0218741 A	11/200	4 Welton 379/114.2
2004/0260647 A	11* 12/200	1 Blinn et al 705/41

## OTHER PUBLICATIONS

Zhu, Weiwen, Over-the-Air Card Provisioning System and Method, filed Dec. 23, 2003, U.S. Appl. No. 10/744,169, Specification (41 pgs.) and Drawing (10 sheets).

\* cited by examiner

Primary Examiner—Karl D. Frech

### (57)ABSTRACT

A card transaction device is provided for selecting virtual cards for transactions based on a context. The portable device includes a plurality of virtual cards, and a storage device for storing the plurality of virtual cards. The cards may relate to credit or debit cards, loyalty cards, reward cards, security or access cards, or identification cards, for example. The portable device includes a user interface for a user to maintain rules for selection of one or more virtual cards based on the context of the transaction. The portable device also includes a processor to process the rules and select at least one of the virtual cards based on the context of the transaction.

## 20 Claims, 2 Drawing Sheets

